**原创；微信公众号：千里行走；**

**受限图片大小限制，有些图片不是很清晰，可以到微信公众号查看；**

缘由：

有用户反映视频feed流的列表中的图片加载慢，需要确认是否是CDN响应慢/图片太大的原因。

数据采样时段：

分析2019-06-29号视屏CDN域名峰值时刻的数据。

注意：

涉及到具体访问次数的数据情况全部进行数据脱敏。

****目录****

****(1).采样数据****

****(2).数据分析****

****(3).结论****

****(4).后续开源****

****正文****

**(1).采样数据**

视屏CDN域名：tv-img.inc.com

|  | **value** | **备注** |
| --- | --- | --- |
| **采样日期** | **2019-06-29** |  |
| **采样时刻(5分钟)** | **[21:45:00, 21:50:00)** | 当日视频CDN域名的峰值时刻 |

**(2).数据分析**

**2.1.访问量分类型分析**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **访问的文件类型** | **访问次数** | **占总比** |
| 全部文件类型 | ----------- |  | 100% |
|  |  |  |  |
| 分文件类型统计 | jpg |  | 87.44% |
| mp4 |  | 12.53% |
| ico |  | 0% |
| / |  | 0.03% |
|  |  |  |  |
| **安卓系统视频封面** | **-----------** |  | 76.91% |

**2.2.安卓系统视频封面响应时间分析**

|  | **P50** | **P60** | **P70** | **P80** | **P90** | **P95** | **P99** | **P99.9** | **P99.99** | **P99.999** | **MAX** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 点位值 |  |  |  |  |  |  |  |  |  |  |  |
| **响应时间**  **(毫秒)** | 1 | 2 | 19 | 29 | 57 | 92 | 185 | 460 | 1058 | 1911 | 25168 |
| 占总比 |  |  |  |  |  |  |  |  | 99.99% |  |  |

**响应最慢的10次请求：**

| **响应时间**  **(单位毫秒)** | **图片大小**  **(单位字节)** | **对应的请求** |
| --- | --- | --- |
| 1764 | 12290 | [29/Jun/2019:21:47:51 +0800] 218.63.15.214 - 1764 "-" "GET [http://tv-img.inc.com/1.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190624/upload/3F144DD4312F43DEADF475608BEC0093.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 1200 12290 HIT "Mozilla/5.0 (Linux; Android 6.0.1; vivo Y55L Build/MMB29M; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/66.0.3359.126 MQQBrowser/6.2 TBS/044705 Mobile Safari/537.36" "image/webp" |
| 1868 | 21749 | [29/Jun/2019:21:48:15 +0800] 10.137.81.25 - 1868 "-" "GET [http://tv-img.inc.com/2.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190613/upload/0BAEBEA5AA924F9F992FD2BFFBD26DF3.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 1088 21749 HIT "Mozilla/5.0 (Linux; Android 5.1; OPPO R9m Build/LMY47I; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/66.0.3359.126 MQQBrowser/6.2 TBS/044705 Mobile Safari/537.36" "image/webp" |
| 1877 | 7094 | [29/Jun/2019:21:45:58 +0800] 115.60.51.104 - 1877 "-" "GET [http://tv-img.inc.com/3.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190627/upload/C1E68F59C9D44089861C2A3E5BEE6A09.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 900 7094 HIT "Mozilla/5.0 (Linux; Android 9; INE-AL00 Build/HUAWEIINE-AL00; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/66.0.3359.126 MQQBrowser/6.2 TBS/044705 Mobile Safari/537.36" "image/webp" |
| 1911 | 6520 | [29/Jun/2019:21:45:58 +0800] 183.213.241.62 - 1911 "-" "GET [http://tv-img.inc.com/4.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190519/upload/DC46D5677BF34B0B8C66253E53B4F03B.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 252 6520 HIT "Dalvik/2.1.0 (Linux; U; Android 5.1.1; Mi-4c MIUI/5.10.8)" "image/webp" |
| 1914 | 11310 | [29/Jun/2019:21:47:57 +0800] 36.106.238.35 - 1914 "-" "GET [http://tv-img.inc.com/5.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190615/upload/D55B3973D1914BEDB7037BFAB787416E.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 263 11310 HIT "Dalvik/2.1.0 (Linux; U; Android 8.1.0; PBFM00 Build/OPM1.171019.026)" "image/webp" |
| 2067 | 4549 | [29/Jun/2019:21:45:57 +0800] 111.11.98.209 - 2067 "-" "GET [http://tv-img.inc.com/6.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190628/upload/F069C39513824B2EA8DEA12333683636.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 264 4549 HIT "Dalvik/2.1.0 (Linux; U; Android 8.1.0; ARS-AL00 Build/HUAWEIARS-AL00)" "image/webp" |
| 2116 | 21663 | [29/Jun/2019:21:49:57 +0800] 123.71.202.26 - 2116 "-" "GET [http://tv-img.inc.com/7.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190619/upload/C9F212F426C346F9A09F6C1A21D56CE9.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 254 21663 HIT "Dalvik/2.1.0 (Linux; U; Android 8.1.0; V1813A Build/O11019)" "image/webp" |
| 2439 | 17512 | [29/Jun/2019:21:48:40 +0800] 102.22.158.153 - 2439 "-" "GET [http://tv-img.inc.com/8.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190528/upload/9A832DC50A264652A9B7D0FF12ABC736.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 258 17512 MISS "Dalvik/2.1.0 (Linux; U; Android 5.0; SM-N9009 Build/LRX21V)" "image/webp" |
| 4741 | 7907 | [29/Jun/2019:21:49:48 +0800] 123.164.228.23 - 4741 "-" "GET [http://tv-img.inc.com/9.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190614/upload/C10AD2DC3FA74E24919E95639AB0E185.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 1197 7907 HIT "Mozilla/5.0 (Linux; Android 5.1; OPPO A37m Build/LMY47I; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/66.0.3359.126 MQQBrowser/6.2 TBS/044705 Mobile Safari/537.36" "image/webp" |
| 25168 | 10126 | [29/Jun/2019:21:45:38 +0800] 117.157.165.225 - 25168 "-" "GET [http://tv-img.inc.com/10.jpg?x-oss-process=style/PIC\_APPEND\_ANDROID](http://tv-img.coohua.com/20190622/upload/5F8BA3341FBB49C68167B3B821C6A09D.jpg?x-oss-process=style/PIC_APPEND_ANDROID)" 200 1090 10126 HIT "Mozilla/5.0 (Linux; Android 5.1; OPPO A37m Build/LMY47I; wv) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/66.0.3359.126 MQQBrowser/6.2 TBS/044705 Mobile Safari/537.36" "image/webp" |

**2.2.安卓系统视频封面大小分析**

**平均访问大小：12845字节（业界大概是15KB~20KB）**

|  | **P50** | **P60** | **P70** | **P80** | **P90** | **P95** | **P99** | **P99.9** | **P99.99** | **P99.999** | **MAX** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 点位值 |  |  |  |  |  |  |  |  |  |  |  |
| **图片大小**  **(单位字节)** | 11143 | 12977 | 15097 | 17841 | 22086 | 26018 | 33913 | 45057 | 50478 | 55900 | 59312 |
| 占总比 |  |  |  |  |  |  |  |  | 99.99% |  |  |

**(3).结论**

**从响应时间和图片大小看，是用户弱网环境造成的，而且占整体比例很小，99.99%的响应时间小于1.058秒。**

****(4).后续开源****

****我们自研了一个cdn-parser分析工具，用于分析cdn成本(只支持阿里云)，和一些分析方法，十分有助于节约成本和发现问题。****

****待第一个版本完善后会开源公布，欢迎关注。****

****成本/计费带宽页面：****



